(19) World Intellectual Property **Organization** International Bureau



(43) International Publication Date 26 May 2005 (26.05.2005)

(10) International Publication Number WO 2005/047539 A1

(51) International Patent Classification7:

C12Q 1/68

(21) International Application Number:

PCT/GB2004/004713

(22) International Filing Date:

9 November 2004 (09.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0326197.1

10 November 2003 (10.11.2003)

- (71) Applicant (for all designated States except US): RAN-DOX LABORATORIES LTD. [GB/GB]; Ardmore, Diamond Road, Crumlin, Co. Antrim BT29 4QY (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CROCKARD, Martin, Andrew [GB/GB]; Randox Laboratories Ltd., Ardmore, Diamond Road, Crumlin, Co. Antrim BT29 4QY (GB). BAILIE, Janice, Roberta [GB/GB]; Randox Laboratories Ltd., Ardmore, Diamond Road, Crumlin, Co. Antrim BT29 4QY (GB). LAMONT, John, Victor [GB/GB]; Randox Laboratoires Ltd., Ardmore, Diamond Road, Crumlin, Co. Antrim BT29 4QY (GB). FITZGER-ALD, Stephen, Peter [GB/GB]; Randox Laboratoires

Ltd., Ardmore, Diamond Road, Crumlin, Co. Antrim BT29 4QY (IE).

- (74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7LH (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOLECULAR MARKER

(57) Abstract: A diagnostic method is disclosed which can be used to predict the risk ofcancer in particular breast cancer. The method comprises: (i) isolating a biological sample from a patient; and (ii) detecting the presence or expression of the gene comprised within the sequence identified herein as SEQ ID No. (1), wherein the presence or expression of the gene indicates the presence of or the risk of cancer.